Manjrasoft develops Market-Oriented Cloud Computing platforms that allow you to build, accelerate and manage your applications ultimately saving you time and money, leading to enhanced business productivity and profit.

Build –
Aneka is built on a decentralised architecture and gives you lots of room to customise with the right tools to build an enhanced solution.
- Private, Public or Hybrid Clouds
- Applications development through support for rapid creation and Custom SDK solutions using innovative parallel and distributed programming models.
- Multi-programming Models - threading, batch processing and MapReduce
- .NET or Mono (Linux) framework

Accelerate –
Aneka develops software optimised for networked Multi-core computers to accelerate applications.
- Ability of organisations to harness computing resources within an enterprise for accelerating execution of “compute” or “data”-intensive applications
- Also, enables organisations to lease public Cloud infrastructure services and run Aneka-based applications on them without any changes.

Aneka as a Cloud Application Platform (CAP) provides a flexible and extensible environment, allows you to develop and run multiple applications simultaneously faster and manage dependencies within them.

Manage –
Aneka has a Service-Oriented Architecture (SOA) that offers flexibility in managing your application solutions, including a built-in management tool to allow you to have enterprise grade, market oriented management solutions:
- Accounting and Pricing Services allow you to price and bill for services according to usage.
- Security that separates authentication from authorization using existing or custom infrastructures.
- Dynamic Resource Reservation and Resource Allocation to manage SLAs (Service-Level Agreements) and meet users QoS (Quality of Service) requirements.
ANEKA PLATFORM

Aneka provides a set of services that make enterprise cloud construction and development of applications as easy as possible without sacrificing flexibility, scalability, reliability and extensibility.

The key features supported by Aneka are:

- A configurable and flexible execution platform (container) enabling -
  - pluggable services;
  - security implementations - multiple authentication / authorisation mechanisms such as role-based security and Windows domain-based authentication;
  - multiple persistence options including RDBMS, SQL Express, MySQL and flat files;

- SDK (Software Development Kit) supporting multiple programming models including –
  - Object oriented thread model,
  - Task model for legacy applications
  - Map Reduce model for data-intensive applications
  - Custom tools such as Design Explorer for parameter sweep studies

- Easy to use management tool for SLA and QoS negotiation and dynamic resource allocation.

- Supports deployment of applications on private or public Clouds in addition to their seamless integration.

Aneka – the first choice for flexible, extensible Market Oriented Cloud application development and deployment.

Aneka allows servers and desktop PCs to be linked together to form a very powerful computing infrastructure.

This allows companies to become energy efficient and save money without investing in greater numbers of computers to run their complex applications.

Each Aneka node consists of a configurable container which includes information & indexing, scheduling, execution and storage services.

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Typical customer environments include:
CAD, 3D Rendering, Drug Discovery, Life Sciences, Data Mining & Investment Risk Analysis.

Jixiong Sun, Vice Director of IT, GoFront Group (China Southern Railways) said “Aneka technology not only improves the overall productivity of our product design, but also it gives us a fantastic opportunity to utilise our existing desktop resources which achieves the maximum utilisation of our existing investment.”